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#### IV. Instructions for Owners and Operators of Treatment, Storage, and Disposal Facilities

Item 18. Discrepancy

Item 18a. Discrepancy Indication Space

- 1. The authorized representative of the designated (or alternate) facility's owner or operator must note in this space any discrepancies between the waste described on the Manifest and the waste actually received at the facility. Manifest discrepancies are: significant differences (as defined by §§ 264.72(b) and 265.72(b)) between the quantity or type of hazardous waste designated on the manifest or shipping paper, and the quantity and type of hazardous waste a facility actually receives, rejected wastes, which may be a full or partial shipment of hazardous waste that the TSDF cannot accept, or container residues, which are residues that exceed the quantity limits for "empty" containers set forth in 40 CFR 261.7(b).
- 2. For rejected loads and residues (40 CFR 264.72(d), (e), and (f), or 40 CFR 265.72(d), (e), or (f)), check the appropriate box if the shipment is a rejected load (i.e., rejected by the designated and/or alternate facility and is sent to an alternate facility or returned to the generator) or a regulated residue that cannot be removed from a container. Enter the reason for the rejection or the inability to remove the residue and a description of the waste. Also, reference the manifest tracking number for any additional manifests being used to track the rejected waste or residue shipment on the original manifest. Indicate the original manifest tracking number in Item 14, the Special Handling Block and Additional Information Block of the additional manifests.
- 3. Owners or operators of facilities located in unauthorized States (i.e., states in which the U.S. EPA administers the hazardous waste management program) who cannot resolve significant differences in quantity or type within 15 days of receiving the waste must submit to their Regional Administrator a letter with a copy of the Manifest at issue describing the discrepancy and attempts to reconcile it (40 CFR 264.72(c) and 265.72(c)).
- 4. Owners or operators of facilities located in authorized States (i.e., those States that have received authorization from the U.S. EPA to administer the hazardous waste management program) should contact their State agency for information on where to report discrepancies involving "significant differences" to state officials.

Item 18b. Alternate Facility (or Generator) for Receipt of Full Load Rejections

Enter the name, address, phone number, and EPA Identification Number of the Alternate Facility which the rejecting TSDF has designated, after consulting with the generator, to receive a fully rejected waste shipment. In the event that a fully rejected shipment is being returned to the generator, the rejecting TSDF may enter the generator's site information in this space. This field is not to be used to forward partially rejected loads or residue waste shipments.

Item 18c. Alternate Facility (or Generator) Signature

The authorized representative of the alternate facility (or the generator in the event of a returned shipment) must sign and date this field of the form to acknowledge receipt of the fully rejected wastes or residues identified by the initial TSDF.

Item 19: Hazardous Waste Report Management Method Codes

Enter the most appropriate Hazardous Waste Report Management Method code for each waste listed in Item 9. The Hazardous Waste Report Management Method code is to be entered by the first treatment, storage, or disposal facility (TSDF) that receives the waste and is the code that best describes the way in which the waste is to be managed when received by the TSDF.

Item 20. Designated Facility Owner or Operator Certification of Receipt (Except As Noted in Item 18a)

Enter the name of the person receiving the waste on behalf of the owner or operator of the facility. That person must acknowledge receipt or rejection of the waste described on the Manifest by signing and entering the date of receipt or rejection where indicated. Since the Facility Certification acknowledges receipt of the waste except as noted in the Discrepancy Space in Item 18a, the certification should be signed for both waste receipt and waste rejection, with the rejection being noted and described in the space provided in Item 18a. Fully rejected wastes may be forwarded or returned using Item 18b after consultation with the generator. Enter the name of the person accepting the waste on behalf of the owner or operator of the alternate facility or the original generator. That person must acknowledge receipt or rejection of the waste described on the Manifest by signing and entering the date they received or rejected the waste in Item 18c. Partially rejected wastes and residues must be re-shipped under a new manifest, to be initiated and signed by the rejecting TSDF as offeror of the shipment.

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### **Material Safety Data Sheet**

MSDS ID # AZ-22-E

### D007 Recyclable Material (Filter Cake)

Recycler:

World Resources Company

8113 West Sherman Street

Tolleson, AZ 85353

Tel: (602) 233 9166 Fax: (623) 936 9164

May 2007 DLS

Call CHEMTREC only in the event of emergencies during shipping that

involve a spill, leak, fire or accident

(all calls are recorded)

For Emergencies During Shipping in the US or Canada, Day or Night,

Call: CHEMTREC 800-424-9300

**Use Company Name:** "World Resources Company"

From other countries call: 703-527-3887

Material Identification

Section 1

Generic Name:

Chemical Family:

**EPA Waste Classification:** D007

Chromium Bearing Filter Cake Metallic (Hydroxide) Precipitates

Non-ferrous Metal Hydroxide Filter Cake

**DOT Shipping Name:** 

RQ, Hazardous waste solid, n.o.s. (D007)

**DOT Hazard Class: DOT Packing Group:** Ш

DOT Identification Number:

NA 3077

Guide 171 of the North American Emergency Response Guidebook Applies

Section 2			Hazardous Ingredients
Ingredient:	CAS Number: Content (%):	OSHA PEL (8hr TWA):	Toxicology (rat, oral):
Copper Hydroxide	20427-59-2 0 30	1.0 mg(Cu)/m³ (Dust)	LD-50 1,000 mg/kg
Chromic Hydroxide	1308-58-1 0 20	0.05 mg(Cr)/m <sup>3</sup> (Dust)	LD-50 Not Determined
Nickel Hydroxide	12054-48-7 0 15	1.0 mg(Ni)/m³ (Dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0 0 – 15	5.0 mg/m <sup>3</sup> (Dust)	LD-50 7,340 mg/kg
Diatomite	61790-53-2 0 – 10	5.0 mg/m³ (Dust)	LD-50 Not Determined

Section 3 Description:

Solid, Clay-like, Gray/Green

to Brown, Moisture ~ 30 - 80%

**Specific Gravity:** 2.5 to 3.5 Solubility:

Insoluble in Water

Density: 50 - 90 lbs/ft3

Incompatible Reactivity:

Vapor Pressure: Insignificant Stability:

None Known

**Avoid Contact with Acids** 

Physical and Reactivity Data

**Boiling Point:** Above 2,600°C **Melting Point:** Above 1,800°C 7.0 to 10.0 Odor:

Polymerization: Will Not Occur

Fire and Explosion Data

Section 4

Nonflammable Flashpoint:

Special Firefighting Procedures: None

Decomposition (Due to Fire or Explosion): None Oxidation: **Explosive:**  Non-oxidizing Non-explosive

Fire Diamond



Health Effects and First Aid

Section 5

**Listed Carcinogen Components:** 

Nickel, Chromium

Toxicology:

See Sec. 2

Route of Entry:

Inhalation, Ingestion

Toxicity

Section 6 Inhalation:

Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin with prolonged contact. Wash with soap and water.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and

metal-sensitive skin or skin lesions. Unprotected long-term overexposure may cause effects to the following target organs or body

systems - blood, digestive, respiratory, liver, kidneys and skin.

#### Section 7

### Precautions for Safe Handling

**Control Measures** 

Generator's Verification

Handling:

Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be used by personnel who will come in contact with this material. The PPE should include eye protection, respirator and gloves.

Storage:

Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover to protect from rain.

Spills:

Use cleaning procedures that avoid creating excessive dust. Vacuum when possible. Package material and ship to consignee or return to World Resources Company at the above address.

Section 8

Respiratory Protection: NIOSH-MSHA approved respirators as required.

**Eve Protection:** 

Safety glasses recommended.

Other Protective Equipment:

Coveralls are recommended, but not required.

Hand Protection:

Gloves recommended.

Section 9

This MSDS describes the material listed in the attached Manifest #:

**Company Name:** Company Address: Alaskan Copper Works

3200 Sixth Avenue South, Seattle, WA 98124

Telephone: 206-382-8379

Date:

### **Material Safety Data Sheet**

MSDS ID # AZ-10-D

F006 Recyclable Material (Filter Cake)

Recycler:

World Resources Company

8113 West Sherman Street

Tolleson, AZ 85353

Tel: (602) 233 9166 Fax: (623) 936 9164

January 2007 DLS

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire or accident

(all calls are recorded)

For Emergencies During Shipping in the US or Canada, Day or Night.

Call: CHEMTREC 800-424-9300

Use CHEMTREC Company Code "WORR"

From other countries call: 703-527-3887

Material Identification Section 1 RQ, Hazardous waste solid, n.o.s. (F006)

**EPA Waste Classification:** 

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge

**Chemical Family:** Metallic (Hydroxide) Precipitates

Synonym: Non-ferrous Metal Hydroxide Filter Cake **DOT Shipping Name:** 

**DOT Hazard Class:** 

**DOT Packing Group:** 111

**DOT Identification Number:** NA 3077

Guide 171 of the North American Emergency Response Guidebook Applies

**Hazardous Ingredients** Section 2 Ingredient: **OSHA PEL (8hr TWA):** Toxicology (rat, oral): CAS Number: Content (%): Copper Hydroxide 20427-59-2 0 - 301.0 mg(Cu)/m3 (Dust) LD-50 1,000 mg/kg LD-50 1,500 mg/kg Nickel Hydroxide 12054-48-7 0 - 151.0 mg(Ni)/m3 (Dust) 1305-62-0 LD-50 7,340 mg/kg Calcium Hydroxide 0 - 155.0 mg/m<sup>3</sup> (Dust) Diatomite 61790-53-2 0 - 105.0 mg/m<sup>3</sup> (Dust) LD-50 Not Determined

Section 3 Physical and Reactivity Data

Description: Solid, Clay-like, Gray/Green

to Brown, Moisture ~ 30 - 80%

Specific Gravity: 2.5 to 3.5 Solubility: Insoluble in Water

50 - 90 lbs/ft3 Density:

Incompatible Reactivity: None Known

Vapor Pressure: Insignificant

Stability: Avoid Contact with Acids

**Boiling Point:** Above 2,600°C **Melting Point:** Above 1,800°C

pH: 7.0 to 10.0 Odor: Nil **Polymerization:** Will Not Occur

Fire and Explosion Data Section 4

Nonflammable Flashpoint:

**Special Firefighting Procedures: Decomposition (Due to Fire or Explosion):** 

None

Oxidation: Non-oxidizing Explosive:

Non-explosive

NFPA Fire Diamond



Toxicity Section 5

Inhalation, Ingestion **Listed Carcinogen Components:** Nickel Toxicology: See Sec. 2 Route of Entry:

Section 6 Health Effects and First Aid

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician. Eyes:

Skin: Dust may irritate skin with prolonged contact. Wash with soap and water.

Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and Comments:

metal-sensitive skin or skin lesions. Unprotected long-term overexposure may cause effects to the following target organs or body

systems - blood, digestive, respiratory, liver, kidneys and skin.

Section 7 Precautions for Safe Handling

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be used

by personnel who will come in contact with this material. The PPE should include eye protection, respirator and gloves.

Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid Storage:

inhalation or ingestion. Store in a dry area under cover to protect from rain.

Spills: Use cleaning procedures that avoid creating excessive dust. Vacuum when possible. Package material and ship to consignee or return to

World Resources Company at the above address.

**Control Measures** Section 8

Respiratory Protection: NIOSH-MSHA approved respirators as required. **Eye Protection:** 

Safety glasses recommended.

Other Protective Equipment: Coveralls are recommended, but not required.

**Hand Protection:** 

Gloves recommended.

Generator's Verification Section 9 007997073 This MSDS describes the material listed in the attached Manifest #: Alaskan Copper Works Company Name:

3200 Sixth Avenue South, Seattle, WA 98124 Company Address:

Telephone: 206-382-8379 Date:

Signature:



TO:

## WORLD RESOURCES COMPANY ARIZONA RECYCLING FACILITY

In partnership with the environment

well) requires the retention period to be extended in specified cases.

World Resources Company 8113 West Sherman Street

# LDRN LAND DISPOSAL RESTRICTION NOTICE

A copy of this Notice must be retained by the generator for at least three (3) years pursuant to U.S. EPA regulations, 40 CFR §268.7(a)(8). Moreover, the generator should check the hazardous-waste regulations of its own state, because if there is a state analogue to the federal regulation, it may require longer retention time, such as five (5) years. It should also be noted that the federal regulation (and, typically, a state analogue as

Tolleso	on, AZ 85353				
FROM:	Alaskan Copper Works				
	(Company Name)				
	3200 Sixth Avenue South				
	(Address)				
	Seattle, WA 98124				
	(Phone)				
Manifest Number:	002947023	JUK			
Date of Shipment:	1-4-08				
	is subject to the land disposal restriction				

**Treatability Group** 

Non-wastewater

(Signature)
Glebrus A. Titonpson
(Printed Name)

**CFR Reference for** 

**Treatment Standards** 

40 CFR §268.40

1

(Title)

PAF: rek/Facility Forms Manual/Transportation-072 AZF: AZF010//F18

**EPA Material Number** 

F006

Date: 10/11/2006, Revision; Original

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TO:

#### WORLD RESOURCES COMPANY ARIZONA RECYCLING FACILITY

World Resources Company 8113 West Sherman Street

Tolleson, AZ 85353

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FROM:	Alaskan Copper Works	
	(Company Name)	
	3200 Sixth Avenue South	
	(Address)	
	Seattle, WA 98124	
	(Phone)	
Manifest Number:	CO2947023 J	次
Date of Shipment:	1-4-08	

This shipment of material is subject to the land disposal restrictions of 40 CFR Part 268. The applicable Land Disposal Restriction Information is provided in accordance with 40 CFR §268.7(a)(2) and is shown below:

EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
D007	Non-wastewater	40 CFR §268.40
	8/52	
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	Genzes	A. THOMPSON
	(Prir	nted Name)
	Enview.	Asst.
		(Title)

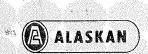
PAF: rek/Facility For AZF: AZF010//F18 ns Manual/Transportation-072 Date: 5/16/2007, Revision: Original

Copyright 2006 World Resources Company



### GENERAL INTERNAL PURCHASE REQUISITION

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